ſages between the medullar Filaments be open'd, or ſhut, and that more or leſs; or laſtly, whether it be, that the Spirits are variouſly diſpoſed, whilſt the *Medulla* of the Brain remains in the ſame ſtate? 7. Diſcourſeth of *Sleep* and *Waking*; where he very curiouſly obſerveth, *firſt*, How far there is in Sleep a Ceſſation of Senſe and Motion; and how *Night-walkings* and *Reſpiration*, (two very ſtrong Motions) are performed in Sleep: *Secondly*, What is the immediate cauſe of that Ceſſation, *viz.* a ſcanty and alter'd influx of the Spirits into the Organs of outward Senſe. 8. Aſcribeth the exact knowledge of the *Medulla Spinalis* to that excellent *Engliſh* Phyſitian and Anatomiſt Dr. *Willis*. 9. Explains the order in which the ſeveral Combinations of the *Nerves* do proceed, out of the Medullar Maſs of the Brain, into and through the whole Body. 10. Concludeth the whole with an Explication of the *Affections* and *Diſeaſes* of the Brain; and ſhews, *firſt*, How the various *Head-aches* are cauſed by the various qualities of the parts that compoſe the Bloud, which being either *bilious*, *ſulphureous*, *ſalin*, *aqueous*, or *terreſtrial*, do accordingly cauſe lacerating, pricking, vellicating, or heavy pains: *Secondly*, How the *Dropſy* of the Brain is cauſed by the copious ſeroſities gather'd between the Membrans of it. *Thirdly*, How *Ulcers*, *Obſtructions*, and *Inflammations* are produced. *Fourthly*, How thoſe many *Perturbations* and *Symptoms* are occaſioned in the Brain, as *Sadneſs*, *Fear*, *Sleepineſs*, *Madneſs*, *Forgetfulneſs*; Epilepſy's, Apoplexy's, among which two laſt he finds this difference, that an *Epilepſy* is not neceſſarily preceeded by any Obſtruction; an irritation and an offenſive afflux to the Senſible parts, being able to produce it alone; whereas an *Apoplexy* never comes without an Obſtruction of the Spirits. *Fifthly*, How *Palſy's* are cauſed, *viz.* by an influx of impure Spirits from the Origine of the Nerves into the beginnings of the ſame. *Sixthly*, How *overmuch Watching* is occaſioned, namely by over-hot Spirits; as an *Un-natural Sleep* is produced by thick, torpid and cold vapors, intermingled with the Spirits, *&c.*

Errata.

In Numb. 65. *p.* 2014. *l.* 17. *del.* firſt, *and read*, were ſtarted. *Beſides, the Reader is deſired, not to be offended at the overſight of the Printer, who in this ſame Tract of* N 65, *when he ſhould have numbred page* 2107, *did print* 2007; *whereby ſome confuſion would ariſe in the Index that is to follow, if therein the Publiſher did not intend to prevent it in ſome meaſure by quoting as well the* Number *of theſe Tracts as the* page. *In this* Numb. 67. *p.* 2040. *l.* 17. *del.* Farewell.

LONDON,

Printed for John Martyn, *Printer to the* Royal Society.